

**PLASTIC INJECTION PROCESS FOR THE MANUFACTURE OF A LID FOR AN
ELECTRIC CAPACITOR AND THE PRODUCT OF SUCH PROCESS**

ABSTRACT

An injection molding process for the manufacture of a lid for an electric capacitor. The process employs a dual injection machine having a first mold half initially positioned on a fixed mold plate and a second mold half initially positioned on a rotatable mold plate and comprises the steps of injecting through a first injection unit a rigid thermoplastic resin into the initially positioned first and second mold halves; opening the mold halves of the dual injection machine and rotating the rotatable plate so that the second mold half is positioned on the fixed mold plate and the first mold half is positioned on the rotatable mold plate; injecting through a second injection unit a flexible thermoplastic resin into the repositioned first and second mold halves; and opening the mold halves of the dual injection machine and expelling the lid for an electric capacitor. A lid for use in the manufacture of an electrical capacitor is also provided.